

Recovery Plan Action Status

Plan Name: Recovery Plan for the Native Fishes of the Warner Basin and Alkali Subbasin

Plan Status: Final

Plan Date: 27-Apr-98

Lead Agency: USFWS

Lead Office: Oregon Fish And Wildlife Office

(503)
231-6179)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Fosskett speckled dace (Rhinichthys osculus ssp.)	1	111	Identify existing habitat.	Ongoing Current	Prior to FY 1995		Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, U.S. Bureau of Land Management, U.S. Forest Service	Research: Demographic Studies	Contract	The Oregon Department of Fish and Wildlife conducted demographic studies of the Warner sucker in the Warner lakes in 2006 and 2008
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Fosskett speckled dace (Rhinichthys osculus ssp.)	1	1121	Assess quality of existing habitats on Federal lands.	Ongoing Current	Prior to FY 1995		Oregon Department of Fish and Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service	Management: Habitat Maintenance and Manipulation	Internal Administrative	The Forest Service completed a biological assessment in 2007, which assessed habitat on Forest Service Lands. The BLM and USFS have monitored and assessed the quality of existing habitat prior to, but especially following, the listing of these fish in 1985. It is an ongoing process with no completion date.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Fosskett speckled dace (Rhinichthys osculus ssp.)	2	1122	Assess quality of existing habitats on non-Federal lands.	Not Started			Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, Watershed councils, National Tropical Botanical Garden, Natural Resources Conservation Service	Research: Habitat Status	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	1	1131	Manage and promote good quality habitats on Federal lands to prevent species declines.	Ongoing Current	Prior to FY 1995		Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Habitat Maintenance and Manipulation	Internal Administrative	The BLM and USFS have monitored and promoted the quality of existing habitat prior to, but especially following, the listing of these fish in 1985. It is an ongoing process with no completion date.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	1132	Secure good quality habitats on non-Federal lands to prevent species declines.	Not Started			Oregon Department of Fish and Wildlife, Watershed councils, National Tropical Botanical Garden, U.S. Fish and Wildlife Service, Natural Resources Conservation Service	Acquisition	Contract	
Foscett speckled dace (Rhinichthys osculus ssp.)	1	1142	Investigate and install physical improvements to Foscett and Dace Springs.	Not Started			U.S. Bureau of Land Management	Management: Habitat Maintenance and Manipulation	Internal Administrative	Two new ponds were constructed at the Dace Spring site in 2009, to be used to increase habitat for Foscett speckled dace. Foscett speckled dace will be translocated to the ponds in 2010.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	1143	Improve poor quality habitat conditions on non-Federal lands.	Not Started			Oregon Department of Fish and Wildlife, Watershed councils, National Tropical Botanical Garden, U.S. Fish and Wildlife Service, Natural Resources Conservation Service	Management: Land Use	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	3	1211	Assess current watershed conditions on Federal lands.	Ongoing Current	Prior to FY 1995		U.S. Bureau of Land Management, U.S. Forest Service	Management: General	Internal Administrative	The BLM and USFS are constantly assessing watershed conditions, particularly conditions affected by federal grazing programs monitored as terms and conditions of biological opinions (Warner sucker).
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	3	1212	Assess current watershed conditions on non-Federal lands.	Not Started			Watershed councils, National Tropical Botanical Garden, U.S. Fish and Wildlife Service, Natural Resources Conservation Service	Research: Habitat Status	Contract	
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	3	1221	Improve watershed conditions on Federal lands.	Ongoing Current	Prior to FY 1995		U.S. Bureau of Land Management, U.S. Forest Service	Management: Habitat Maintenance and Manipulation	Internal Administrative	The BLM and USFS were improving watershed conditions prior to the listings of these three fish in 1985. However, modifications of land management actions (primarily grazing) have significantly improved watershed conditions on Federal lands.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	3	1222	Improve watershed conditions on non-Federal lands.	Not Started				Management: Habitat Maintenance and Manipulation	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	1	1411	Develop a Conservation Agreement with ODFW to prevent future stocking of non-native species in the affected area.	Obsolete			Oregon Department of Fish and Wildlife, U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Contract	The Oregon Department of Fish and Wildlife's Native Fish Policy provides guidance to not stock non-native species in areas where they could adversely affect native species. ODFW has no plans to stock non-native fish species in the Warner Basin in areas containing listed fish.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	1412	Develop and implement a public education program to reduce or eliminate illegal translocation of exotic fishes within habitats in Warner Basin	Not Started			Oregon Department of Fish and Wildlife, Oregon State University, Agricultural Extension, University of California at Davis, Agricultural Extension, U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Contract	
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	143	Monitor exotic fish populations in the Warner Basin	Ongoing Current	FY 2005		Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, U.S. Bureau of Land Management, U.S. Forest Service	Research: Demographic Studies	Contract	The Oregon Department of Fish and Wildlife conducted demographic studies of the Warner sucker in the Warner lakes in 2006. As part of these studies, ODFW assessed the abundance of non-native species. This information is expected to help determine the impacts to native fish such as the Warner sucker and redband trout.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	144	Evaluate options to further control or eliminate exotic fishes.	Obsolete			Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Other	Species Expert	Following the complete drying of the Warner lakes in 1992, the exotic fishes were back by 1994, most likely from residual water in ponds and irrigation canals in the south end of the valley. The Warner sucker working group believes there are actions that could be taken to reduce the potential impact of exotic fishes, but the group does not believe it is feasible to control or eliminate these fish from the Warner Valley. Too much water over too large an area.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	212	Develop genetic management plan for refugial populations deemed important to the Warner Basin, Coleman Subbasin or Alkali Subbasin.	Not Started			Oregon Department of Fish and Wildlife, U.S. Fish and Wildlife Service	Management: Planning	Internal Administrative	
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	213	Determine how to manage refugial populations outside the Warner Basin and feasibility of reintroduction back to the Warner Basin	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service	Acquisition, Research: Population Surveys	Contract	ODFW conducted a population estimate of the Warner sucker which were translocated into the irrigation ditch at Summer Lake Wildlife Area. The population was estimated in 2009 to be 660 (95% CI: 421-1,024). The population was estimated to be 142 fish (95% CI = 91-218) in 2007. This information will be used in making management decisions for this refugial population.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	221	Assess the need for captive propagation	Not Started			U.S. Fish and Wildlife Service	Management: Propagation	Contract	
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	222	Refine captive propagation techniques.	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Research: Propagation	Internal Administrative	In the early 1990s, a number of Warner suckers were trucked to the Dexter fish hatchery in N.M. for propagation experiments. Artificial propagation was not successful and over time all the suckers perished. No further experiments have occurred.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	412	Monitor populations and spawning success of lake and stream morph Warner suckers, Foscett speckled dace, and Hutton tui chub	Ongoing Current	FY 2007		Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Acquisition, Research: Population Surveys	Contract	In 2009, the Oregon Department of Fish and Wildlife estimated the population of Foscett speckled dace at 660 fish. The landowner of the Hutton Spring denied access to teh spring, so no population estimate was aquired in 2009. A population estimate of Warner sucker in Lake habitat was aquired in 2008. ODFW estimated 565 suckers larger than 155mm FL (95% CI: 250-1,114; 56-97%) in Hart Lake. Oregon Department of Fish and Wildlife conducted population estimates of Foscett speckled dace and Hutton tui chub in the fall of 2005 and in 2007. Warner suckers (lake population) were monitored in the spring of 2006, no estimate was attainable due to lack of recapture of suckers for a mark recapture estimate. ODFW conducted distribution and population surveys of Warner suckers in Warner Valley streams in 2007, and estimated the population in the Warner vValley to be 6,852 (greater than 60mm FL).

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	413	Conduct research aimed at developing population viability analyses for Warner suckers, Hutton tui chub, and Foscett speckled dace.	Ongoing Current	FY 2005		Oregon Department of Fish and Wildlife, Oregon Natural Heritage Program, U.S. Bureau of Land Management, U.S. Forest Service	Research: Demographic Studies	Contract	In 2005, FWS funded ODFW to start this type of work for Warner suckers in 2006 and for Foscett dace and Hutton tui chub in 2007.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	42	Monitor fish habitats.	Ongoing Current	Prior to FY 1995		U.S. Bureau of Land Management, U.S. Forest Service	Management: Habitat Maintenance and Manipulation	Internal Administrative	The BLM and USFS regularly monitor stream habitat and thus this action is constantly "on-going" with no completion date.
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	2	5	Evaluate long-term effects of climatic trends on the recovery of fishes.	Not Started			Oregon Department of Fish and Wildlife, Oregon State University, Agricultural Extension, University of California at Davis, Agricultural Extension, U.S. Fish and Wildlife Service	Research: General	Contract	
Hutton tui chub (Gila bicolor ssp.), Warner sucker (Catostomus warnerensis), Foscett speckled dace (Rhinichthys osculus ssp.)	3	6	Develop and implement a public information program.	Not Started			Oregon Department of Fish and Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service	Other: Information and Education	Internal Technical Assistance	